

## ABSTRACT OF THE DISCLOSURE

A device for measuring the sedimentation rate in biological fluids, and particularly the erythrocyte sedimentation rate in blood samples. The device comprises: holders (3) for test tubes (P) containing samples of biological fluid; agitator devices (25) for agitating the test tubes; at least one detector (17, 19) for reading the levels inside the test tubes. The holders together form a continuous flexible member (1) defining a closed path along which the agitator devices and the detector are arranged.